

Application#	Patent#	Status	Date Filed	Title	Inventor Name
11388409	Not Issued	25	03/24/2006	Nanocrystal/Photonic Crystal Composites	Petruska, Melissa
10537801	7176334	150	06/07/2005	Process For The Preparation Of Substituted Halogenated Aniline	Petruska, Melissa A.
10715806	Not Issued	80	11/17/2003	Nanocrystal/Sol-Gel Nanocomposites	Petruska, Melissa A.
10715733	Not Issued	41	11/17/2003	Nanocrystal/Sol-Gel Nanocomposites	Petruska, Melissa A.
60665101	Not Issued	159	03/24/2005	Nanocrystal/Photonic Crystal Composites	Petruska, Melissa A.
60864073	Not Issued	20	11/02/2006	Antimony And Germanium Complexes Useful For Cvd/Ald Of Metal Thin Films	Petruska, Melissa A.
60433847	Not Issued	159	12/16/2002	Process For The Preparation Of 3,5-Difluoroaniline	Petruska, Melissa A.
09805435	6819692	150	03/14/2001	Optical Amplifiers And Lasers	Klimov, Victor I.
09923815	Not Issued	1	01/01/0001	Optical Amplifiers And Lasers	Klimov, Victor I.
10106564	Not Issued	161	03/26/2002	Nanocrystal Quantum Dot Materials For Dynamic Holography	Klimov, Victor I.
10294742	7150910	150	11/15/2002	Nanocrystal Structures	Klimov, Victor I.
10843737	Not Issued	61	05/11/2004	Non-Contact Pumping Of Light Emitters Via Non-Radiative Energy Transfer	Klimov, Victor I.
10857583	Not Issued	30	05/28/2004	Semiconductor Nanocrystal Quantum Dots And Metallic Nanocrystals As Uv Blockers And Colorants For Sunscreens And/Or Sunless Tanning Compositions	Klimov, Victor I.
11004167	Not Issued	41	12/03/2004	Multifunctional Nanocrystals	Klimov, Victor I.
11089726	Not Issued	71	03/25/2005	Colloidal Quantum Dot Light Emitting Diodes	Klimov, Victor I.
11388409	Not Issued	25	03/24/2006	Nanocrystal/Photonic Crystal Composites	Klimov, Victor I.
11404467	Not Issued	25	04/13/2006	Carrier Multiplication In Quantum-Confining Semiconductor Materials	Klimov, Victor I.
11594732	Not Issued	25	11/09/2006	Nanocrystal Structures	Klimov, Victor I.
60189256	Not Issued	159	03/14/2000	Quantum Dot Optical Amplifiers And Lasers	Klimov, Victor I.
60331454	Not Issued	159	11/16/2001	Nanocrystal Laser	Klimov, Victor I.
60556591	Not Issued	159	03/25/2004	Colloidal Quantum Dot Light-Emitting Diode (Cqdled)	Klimov, Victor I.
60665101	Not Issued	159	03/24/2005	Nanocrystal/Photonic Crystal Composites	Klimov, Victor I.
60670726	Not Issued	159	04/13/2005	Carrier Multiplication In Quantum-Confining Semiconductor Materials	Klimov, Victor I.
60740588	Not Issued	159	11/28/2005	Activation Of Molecular Catalysts Using Semiconductor Quantum Dots	Klimov, Victor I.
60857110	Not Issued	20	11/03/2006	Hybrid Gold/Silica/Nanocrystal-Quantum-Dot Superstructures: Synthesis And Analysis Of Semiconductor-Metal Interactions	Klimov, Victor I.
08499888	5741442	250	07/11/1995	Optical Limiting Materials	Klimov, Victor I.
09249726	6191861	150	02/13/1999	Femtosecond Chirp-Free Transient Absorption Method And Apparatus	Klimov, Victor I.
10715733	Not Issued	41	11/17/2003	Nanocrystal/Sol-Gel Nanocomposites	Klimov, Victor L.
10715806	Not Issued	80	11/17/2003	Nanocrystal/Sol-Gel Nanocomposites	Klimov, Victor L.

**UPDATED**  
**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	169	516/100.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 09:19
L2	419	516/98.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 09:19
L3	412	2 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 09:23
L4	508	colloid\$3 with (nanocrystal or nano\$1crystal or (nano adj crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 09:59
L6	675	(alkoxysilane with terminated) (alkoxysilane\$1terminated) (alkoxy\$1silane with terminated) (alkoxy\$1silane\$1terminated) ((alkoxy adj silane) with terminated) (alkoxy adj silane\$1terminated) (methoxysilane with terminated) (methoxysilane\$1terminated) (methoxy\$1silane with terminated) (methoxy\$1silane\$1terminated) ((methoxy adj silane) with terminated) (methoxy adj silane\$1terminated) (ethoxysilane with terminated) (ethoxysilane\$1terminated) (ethoxy\$1silane with terminated) (ethoxy\$1silane\$1terminated) ((ethoxy adj silane) with terminated) (ethoxy adj silane\$1terminated)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 09:57

## EAST Search History

L7	553	(solgel or sol\$1gel or (sol adj gel)) with (precursor or monomer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 09:58
L8	0	4 and 6 and 7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 10:00
L9	1025	(colloid\$3 or dispers\$4 or gel\$5) with (nanocrystal or nano\$1crystal or (nano adj crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 10:00
L10	0	9 and 6 and 7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 10:00
L11	5732	(nanocrystal or nano\$1crystal or (nano adj crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 10:00
L12	0	11 and 6 and 7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 10:01

**INTERFERENCE**  
**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	508	colloid\$3 with (nanocrystal or nano\$1crystal or (nano adj crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 09:59
L6	675	(alkoxysilane with terminated) (alkoxysilane\$1terminated) (alkoxy\$1silane with terminated) (alkoxy\$1silane\$1terminated) ((alkoxy adj silane) with terminated) (alkoxy adj silane\$1terminated) (methoxysilane with terminated) (methoxysilane\$1terminated) (methoxy\$1silane with terminated) (methoxy\$1silane\$1terminated) ((methoxy adj silane) with terminated) (methoxy adj silane\$1terminated) (ethoxysilane with terminated) (ethoxysilane\$1terminated) (ethoxy\$1silane with terminated) (ethoxy\$1silane\$1terminated) ((ethoxy adj silane) with terminated) (ethoxy adj silane\$1terminated)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 09:57
L7	553	(solgel or sol\$1gel or (sol adj gel)) with (precursor or monomer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 09:58
L9	1025	(colloid\$3 or dispers\$4 or gel\$5) with (nanocrystal or nano\$1crystal or (nano adj crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 10:00
L11	5732	(nanocrystal or nano\$1crystal or (nano adj crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 10:00
L13	0	(11 with 6 with 7).clm.	US-PGPUB	OR	ON	2007/01/29 10:02